Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/07/2016 10:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125278	0	1.86	125151	1.90
Blue	F	SSC	125000	125189	0	3.43	125658	3.36
Blue	E	FITC	22946	22494	-2	2.46	998	9.46
Blue	D	PE	28770	28139	-3	2.04	1008	8.97
Blue	B	PerCP-Cy5-5	51099	51011	-1	3.35	1462	15.74
Blue	A	PE-Cy7	42312	41771	-2	4.90	645	33.56
Red	C	APC	52169	51428	-2	2.76	2969	9.19
Red	A	APC-Cy7	56705	55983	-2	2.73	1158	10.96
Violet	B	V450	14708	14204	-4	3.68	683	8.66
Violet	A	V500	58608	57750	-2	3.47	2568	6.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19832	4.52	596	-2	N/A	N/A	Pass
Blue	F	SSC	62376	2.03	524	6	N/A	N/A	Pass
Blue	E	FITC	114	36.20	532	1	0.0251	175	Pass
Blue	D	PE	221	26.63	527	1	0.1954	241	Pass
Blue	B	PerCP-Cy5-5	230	42.60	624	2	0.0120	148	Pass
Blue	A	PE-Cy7	73	105.13	671	0	0.0132	4	Pass
Red	C	APC	347	26.69	589	-1	0.0217	62	Pass
Red	A	APC-Cy7	127	40.43	574	-2	0.0060	1930	Pass
Violet	B	V450	81	43.52	469	10	0.0529	2462	Pass
Violet	A	V500	185	24.06	499	11	0.0145	787	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.03	-30.86	0.82
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.33
Red	16.85	13.27 - 19.91	N/A	N/A	31.41	31.62	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10627

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments